

## Features

- Mounting Interface can be a cone, a vee or a flat using a spherical bearing.
- Optional over roll/tilt switches can be fitted.
- 1 Tonne load capacity (larger load capacities available).
- Vertical translate ranges available from 50 to 150mm.
- Settable high accuracy ( $\pm 1\mu\text{m}$ ) limit switches can be used as hard limits and/or home switch.
- Optical linear encoder to  $\pm 0.1\mu\text{m}$  precision.
- Optional horizontal translational stages.

## Vertical Motorized Jack

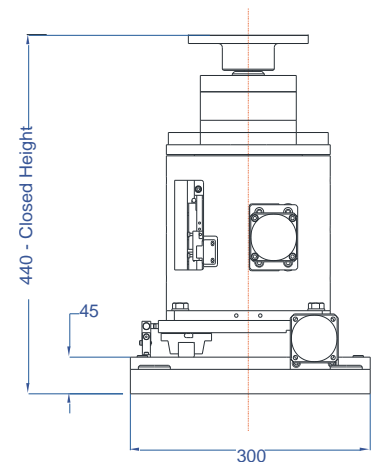
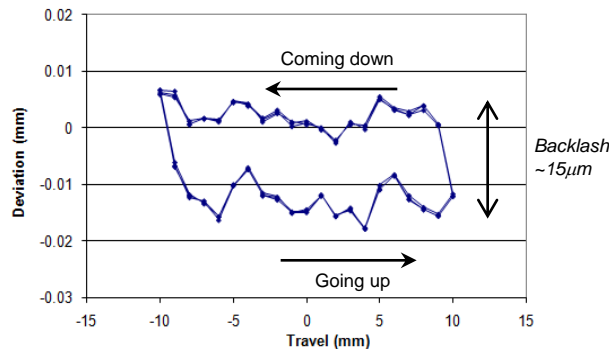


### Versatile motorised vertical jack

IDT's motorized vertical jack can be used for a number of applications. Customisation is possible to suit specific requirements. The single jack's motion is very repeatable (see graph for a test with 500kg load on a system of 3 jacks).

Motion	Resolution	Repeatability
Height	0.125 $\mu\text{m}$	$\pm 0.2\mu\text{m}$

Plot below shows the difference between the actual position and an ideal straight line over 20mm. Repeated 3 times



For more details contact IDT (below)

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